

ILRS Format Activities



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Consolidated Prediction Format (CPF)

- All but a few active SLR stations converted.
- MLRS converted for LLR
- LRO CPF predictions in testing...
- TIV generation is not guaranteed beyond the end of 2007

Consolidated laser Ranging Data format (CRD)

- Allows for extended precision and special fields for transponder data.
- Reduces size of kilohertz ranging full rate data files
- Encompass full rate, engineering quick-look, and normal point data in one format
- Similar in structure to CPF
- Adds data fields for more complete description of the data set, including the configuration data in the EDF format
- “XML friendly”

CRD Status

- Format and test data are available on ILRS web site (under “data and products”)
- Pilot implementations by MLRS, Stromlo, and JCET are under way
- A few changes to the format are being worked as a result of these tests
- Working toward accepting and providing CRD files at HTSI, CDDIS, and EDC
- LOLA SOC (LRO) will accept and create CRD files

CRD Goals - 1

- HTSI, CDDIS, and EDC should accept and make available CRD files by end of year (not all QC will be performed on CRD files)
- Ops centers (HTSI, EDC) expect to eventually translate between formats
- Have all consequential revisions to the format completed well before end of year
- Flow CRD and old format data in parallel from at least 2 stations by end of year (MLRS, Stromlo)

CRD Goals - 2

- Have at least 2 analysis groups examining the CRD data by end of year (JCET and ???)
- Have all LRO observing stations and the LRO analysis center able to produce CRD files by launch (late 2008)
- Assess progress by EGU next spring and recommend goals for network-wide implementation

Summary

- CPF will soon be used for all intended targets: satellites, the moon, and transponders
- CRD pilot implementation is making progress
- More in the following presentations...